

Claims

- [c1] A method for treating waste rinse water, comprising the steps of:
- (a) providing an ozone system;
 - (b) collecting wastewater in a tank means;
 - (c) transferring said wastewater from said tank means to said ozone system;
 - (d) oxidizing said wastewater at said ozone system;
 - (e) transferring said oxidized wastewater to said tank means;
 - (f) monitoring the amount of oxidation of said wastewater;
- repeating steps (b) through (f) until said amount of oxidation declines to a predetermined level.
- [c2] The method of claim 1, wherein steps (c) through (e) are repeated continuously until said amount of oxidation declines to a predetermined level.
- [c3] The method of claim 1, further comprising the step of monitoring the amount of oxidation of said wastewater by monitoring the oxidation-reduction potential of said wastewater.
- [c4] A method for treating waste rinse water, comprising the steps of:
- providing an ozone system;
 - collecting wastewater in a tank means;
 - continuously transferring wastewater from said tank means to said ozone system and back to said tank means;
 - monitoring the amount of oxidation of said wastewater; and
 - discharging said wastewater when said amount of oxidation declines to a predetermined level.
- [c5] The method of claim 4, wherein said step of discharging said wastewater further includes the steps of providing a post ozonation filtration means for polishing and further reducing contaminants from the wastewater and routing said wastewater through said post ozonation filtration means.
- [c6] A method for treating waste rinse water, comprising the steps of:
- bathing a predetermined part in a bath including contaminants;
 - removing said predetermined part from said bath;

providing a rinse system;
 rinsing said predetermined part with water, said water becoming wastewater
 after having been used to perform said rinsing step;
 collecting said wastewater in a wastewater tank means;
 providing an ozone system;
 continuously transferring wastewater from said tank means to said ozone system
 and back to said tank means;
 monitoring the amount of oxidation of said wastewater; and
 returning said wastewater to said rinse system when said amount of oxidation
 declines to a predetermined level.

[c7] A method for treating wastewater, comprising the steps of:
 providing an ozone system;
 pre-treating said wastewater by separating contaminants therefrom;
 collecting said pre-treated wastewater in a tank means;
 continuously transferring said pre-treated wastewater from said tank means to
 said ozone system and back to said tank means;
 monitoring the amount of oxidation of said pre-treated wastewater; and
 re-using said pre-treated wastewater when said amount of oxidation declines
 to a predetermined level.

[c8] A method for treating waste rinse water, comprising the steps of:
 providing an ozone system;
 pre-treating said wastewater by separating contaminants therefrom;
 collecting said pre-treated wastewater in a tank means;
 continuously transferring said pre-treated wastewater from said tank means to
 said ozone system and back to said tank means;
 monitoring the amount of oxidation of said pre-treated wastewater; and
 discharging said pre-treated wastewater when said amount of oxidation
 declines to a predetermined level.

[c9] The method of claim 8, wherein said step of discharging said pre-treated
 wastewater further includes the steps of providing a post ozonation filtration
 means for polishing and further reducing contaminants from said pre-treated

wastewater and routing said pre-treated wastewater through said post ozonation filtration means.

- [c10] The method of claim 7, wherein the step of pre-treating said wastewater includes the step of aerating said wastewater.
- [c11] The method of claim 8, wherein the step of pre-treating said wastewater includes the step of aerating said wastewater.
- [c12] The method of claim 7, wherein the step of aerating said wastewater includes the step of separating contaminants, floating atop said wastewater after said aerating step, from said wastewater by skimming said wastewater.
- [c13] The method of claim 7, wherein the step of aerating said wastewater includes the step of separating contaminants, floating atop said wastewater after said aerating step, from said wastewater by skimming said wastewater.
- [c14] The method of claim 7, wherein the step of aerating said wastewater includes the step of separating contaminants, floating atop said wastewater after said aerating step, from said wastewater by decanting said contaminants from the top of said wastewater.
- [c15] The method of claim 8, wherein the step of aerating said wastewater includes the step of separating contaminants, floating atop said wastewater after said aerating step, from said wastewater by decanting said contaminants from the top of said wastewater.